

Interim Operational Plan Final Recommended Plan

	No WCA-3A Regulatory Releases to SDCS or Shark Slough	WCA-3A Regulatory Releases to SDCS
Regulation Schedule	Deviation schedule for WCA-3A as specified by USACE including raising Zone D to Zone C from Nov 1 to Feb 11. No deviation in WCA-2A regulation schedule.	Deviation schedule for WCA-3A as specified by USACE including raising Zone D to Zone C from Nov 1 to Feb 11. No deviation in WCA-2A regulation schedule.
S-343 A/B and S-344	Closed Nov 1 to July 15 independent of WCA-3A levels.	Closed Nov 1 to July 15 independent of WCA-3A levels.
S-12 A/B/C/D Sandbag culverts under Tram Road by 1 February if necessary.	S-12A closed Nov 1 to Jul 15; S-12B closed Jan 1 to Jul 15; S-12C closed Feb 1 to Jul 15; S-12D no closure dates. Follow WCA 3A regulation schedule after Jul 15. Note: If closure requires regulatory releases to SDCS then switch to operations for regulatory releases to SDCS.	S-12A closed Nov 1 to Jul 15; S-12B closed Jan 1 to Jul 15; S-12C closed Feb 1 to Jul 15; S-12D no closure dates. Follow WCA 3A regulation schedule after Jul 15.
S-333: G-3273 < 6.8' NGVD Degrade the lower four miles of the L-67 extension	55% of the rainfall plan target to NESRS and 45% through the S-12 structures	55% of the rainfall plan target to NESRS, plus as much of the remaining 45% that the S-12s can't discharge to be passed through S-334; and subject to capacity constraints, which are 1350 cfs at S-333, L-29 maximum stage limit, and canal stage limits downstream of S-334.
S-333: G-3273 > 6.8' NGVD	Closed	Match S-333 with S-334 flows
L-29 constraint	9.0 ft	9.0 ft
S-355A&B	Follow the same constraints as S-333. Open whenever gradient allows southerly flow.	Follow the same constraints as S-333. Open whenever gradient allows southerly flow.
S-337	Water Supply	Regulatory releases as per WCA-3A deviation schedule.
S-151	Water Supply	Regulatory releases as per WCA-3A deviation schedule.
S-335	Water Supply The intent is to limit the volume of water passed at S335 to pre-ISOP conditions and not use S332B, S332C, or S332D or other triggers to pass additional flows. Note: It is recognized that under these conditions operations of S-335 would be infrequent.	When making regulatory releases through S-151, match S-335 outflows with inflows from S-151 and S-337 Use S-333/S-334 before S-335/S-151/S-337

S-334	Closed	Pass all or partial S-333 flows Depending on stage at G-3273
S-338	Open 5.8 Close 5.5	Open 5.8 Close 5.4
G-211	Open 6.0 Close 5.5	Open 5.7 Close 5.3
S-331	Angel's Criteria	Angel's Criteria
<p>S-332B</p> <p>Note 1: There will be two 125-cfs pumps and one 75-cfs pump directed to the west seepage reservoir. The remaining two 125-cfs pumps will be directed to the north seepage reservoir.</p> <p>Note 2: A new indicator will be established for Subpopulation F and a new gauge will be installed about ½ mile west of the weir on the western edge of the retention area. Pumping will cease after 180 days of above ground hydroperiod at the new gauge during a year that runs from July 15th to July 14th. After water levels recede below ground, pumping can be resumed at a rate that maintains water elevations below ground at the gauge until the beginning of the next year.</p>	<p>Pumped up to 575 cfs*</p> <p>On 5.0 Off 4.7**</p> <p>*Pump to capacity if limiting conditions within the Sparrow habitat are not exceeded. There will be no overflow into the Park.</p> <p>**If, after the first 30 days of operation, there is no observed drawdown at the pump, this stage level will be raised to 4.8</p>	<p>Pumped up to 575 cfs*</p> <p>On 4.8 Off 4.5</p> <p>*Pump to capacity if limiting conditions within the Sparrow habitat are not exceeded. There will be no overflow into the Park.</p>
<p>S-332B Seepage Reservoir</p> <p>The west reservoir is the existing 160-acre reservoir and is to the west of the pump station. The weir will be relocated from west of the berm to south of the berm to allow overflow into S-332C reservoir.</p> <p>The north reservoir is the new 240-acre reservoir located to the north of the pump station with a weir to the east of the berm.</p> <p>Pumping would cease when the weir would overflow.</p>	<p>400 acres with no overflow to the west</p> <p>This seepage reservoir will have a normal maximum depth of water of 2.0 feet. However, if the Corps determines that a flood emergency exists similar to an event like the "No Name" storm, the depth of water would be increased to 4.0 feet.</p>	<p>400 acres with no overflow to the west</p> <p>This seepage reservoir will have a normal maximum depth of water of 2.0 feet. However, if the Corps determines that a flood emergency exists similar to an event like the "No Name" storm, the depth of water would be increased to 4.0 feet.</p>

S332C	<p>Pumped up to 575 cfs*</p> <p>On 5.00 Off 4.70**</p> <p>* Pump to capacity unless habitat conditions are not being achieved within the Rocky Glades. There will be no overflow into the Park.</p> <p>**If, after the first 30 days of operation, there is no observed drawdown at the pump, this stage level will be raised to 4.8</p>	<p>Pumped up to 575 cfs*</p> <p>On 4.8 Off 4.5</p> <p>* Pump to capacity unless habitat conditions are not being achieved within the Rocky Glades. There will be no overflow into the Park.</p>
S-332C Seepage Reservoir	<p>300 acres with overflow (if any) back to L-31N canal</p> <p>This seepage reservoir will have a normal maximum depth of water of 2.0 feet. However, if the Corps determines that a flood emergency exists similar to an event like the “No Name” storm, the depth of water would be increased to 4.0 feet.</p>	<p>300 acres with overflow (if any) back to L31N canal</p> <p>This seepage reservoir will have a normal maximum depth of water of 2.0 feet. However, if the Corps determines that a flood emergency exists similar to an event like the “No Name” storm, the depth of water would be increased to 4.0 feet.</p>
S-332D	<p>Pumped up to 500 cfs from Jul 16 (or the end of the breeding season, as confirmed by FWS) to Nov 31; 325 cfs from Dec 1 to Jan 31; and 165 cfs* from Feb 1 to Jul 15. Meet Taylor Slough Rainfall formula (No L-31W constraint)</p> <p>On 4.85 Off 4.65</p> <p>*New information will be sought to evaluate the feasibility of modifying the 165 cfs constraint</p>	<p>Pumped up to 500 cfs from Jul 16 (or the end of the breeding season, as confirmed by FWS) to Nov 31; 325 cfs from Dec 1 to Jan 31; and 165 cfs* from Feb 1 to Jul 15. Meet Taylor Slough Rainfall formula (No L-31W constraint)</p> <p>On 4.7 Off 4.5</p> <p>*New information will be sought to evaluate the feasibility of modifying the 165 cfs constraint</p>
Frog Pond Seepage Reservoir	<p>810 acres with overflow into Taylor Slough</p> <p>This seepage reservoir will have a normal maximum depth of water of 2.0 feet. However, if Corps determines that a flood emergency exists similar to an event like the “No Name” storm, the depth of water would be increased to 4.0 feet.</p>	<p>810 acres with overflow into Taylor Slough</p> <p>This seepage reservoir will have a normal maximum depth of water of 2.0 feet. However, if Corps determines a flood emergency exists similar to an event like the “No Name” storm, the depth of water would be increased to 4.0 feet.</p>
S-332	Closed	Closed
S-175	Closed	Closed
S-194	Open 5.5	Operated to maximize flood control

	Close 4.8	discharges to coast Open 4.9 Close 4.5
S-196	Open 5.5 Close 4.8	Operated to maximize flood control discharges to coast Open 4.9 Close 4.5
S-176	Open 5.0 Close 4.75	Open 4.9 Close 4.7
S-177	Open 4.2 (see S-197 open) Close 3.6	Open 4.2 (see S-197 open) Close 3.6
S-18C	Open 2.6 Close 2.3	Open 2.25 Close 2.00
S-197	<p>If S-177 headwater is greater than 4.1 or S-18C headwater is greater than 2.8 open 3 culverts</p> <p>If S-177 headwater is greater than 4.2 for 24 hours or S-18C headwater is greater than 3.1 open 7 culverts</p> <p>If S-177 headwater is greater than 4.3 or S-18C headwater is greater than 3.3 open 13 culverts</p> <p>Close gates when all the following conditions are met:</p> <ol style="list-style-type: none"> 1. S-176 headwater is less than 5.2 and S-177 headwater is less than 4.2 2. Storm has moved away from the basin 3. After Conditions 1 and 2 are met, keep the number of S-197 culverts open necessary only to match residual flow through S-176. All culverts should be closed if S-177 headwater is less than 4.1 after all conditions are satisfied. 	<p>If S-177 headwater is greater than 4.1 or S-18C headwater is greater than 2.8 open 3 culverts</p> <p>If S-177 headwater is greater than 4.2 for 24 hours or S-18C headwater is greater than 3.1 open 7 culverts</p> <p>If S-177 headwater is greater than 4.3 or S-18C headwater is greater than 3.3 open 13 culverts</p> <p>Close gates when all the following conditions are met:</p> <ol style="list-style-type: none"> 1. S-176 headwater is less than 5.2 and S-177 headwater is less than 4.2 2. Storm has moved away from the basin 3. After Conditions 1 and 2 are met, keep the number of S-197 culverts open necessary only to match residual flow through S-176. All culverts should be closed if S-177 headwater is less than 4.1 after all conditions are satisfied.
S-356	When conditions permit, discharges from S356 will go into L-29. The potential for discharges into WCA3B will be determined under a separate NEPA document. A technical team will evaluate pumping limits and operations. The pumps will be operated accordingly.	The potential for discharges into WCA3B will be determined under a separate NEPA document. A technical team will evaluate pumping limits and operations. The pumps will be operated accordingly.